

## 'Painless' Purchase Of United States Defense Bonds Available For Y-12ers Through Payroll Deductions Made Weekly, Monthly

In connection with the current campaign of the United States Treasury to push sales of United States Savings Bonds, Series E, known more commonly as Defense Bonds, Carbide is again reminding its employees that the bonds may be purchased on the payroll deduction plan in regular installments. Many Y-12ers and other Carbide employees in Oak Ridge are buying bonds regularly in this manner.

The Treasury points out that purchase of Defense Bonds through payroll deduction is a "painless" method of not only making a sound investment but also combatting the threats of Communism and inflation—described as the two greatest enemies of the nation today.



Signing up to buy Defense Bonds through payroll deduction is made easy for all Y-12ers. All time keepers have payroll allotment

authorization cards and they also may be obtained at the office of the Paymaster in Bldg. 9704.2.

The deductions may be made weekly or monthly, depending on which payroll an employee is listed. When purchase of bonds is completed, they are delivered to the buyers along with their pay checks. The bonds also may be purchased over the counter at the office of the Y-12 Cashier, Bldg. 9704-2.

The rules covering the amounts of deductions are simple. It is necessary that the deductions be the same amount for each period designated. For instance, three deductions of \$6.25 each will buy an \$18.75 bond that is redeemable for \$25 after 10 years. Five deductions of \$3.75 each will achieve a similar purchase. Y-12ers wanting to buy the Defense Bonds valued at \$100 may authorize 15 deductions at a rate of \$5 each or 10 for \$7.50 each for the \$75 purchase price.

The Treasury also points out that millions of farsighted, provident Americans are realizing that they can put their dollars to work for them by investing regularly in Defense Bonds through payroll deductions and urges their purchase for safety, security and profit.

## The Great A-Bomb Robbery Soviets Learn Of A-Bomb In 1942 -- Swing Into Action

This is the second in a series of 11 articles telling the step-by-step story of how Russia stole America's atomic secrets.

By BOB CONSIDINE  
International News Service  
Staff Correspondent  
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Russia picked up wind of our A-Bomb efforts in 1942, nearly three years before the first one was tested. Its agents immediately were assigned to gain all information available, by any means at their command.

The success of their mission changed the course of history. Possession of the bomb secrets and, in a startlingly short time, of an A-Bomb stockpile, emboldened the Kremlin to engage in unprecedented aggression which gulped—if it did not wholly digest—more than half a billion subjects.

The first known coordinator of the Great A-Bomb Robbery in this country was Arthur Alexandrovich Adams, battle-scarred veteran of the Russian revolution of 1905. He gained illegal entrance into this country from Canada in 1938 with the aid of Samuel Novick, president of the Electronics Corporation of America, according to a house Un-American Activities Committee report. By 1942 Adams apparently was in charge of an extensive espionage apparatus. It involved a number of members of the Soviet consulates of San Francisco and New York. One of these, Vice Consul

Peter Ivanov, attached to San Francisco, using as one of his operatives the notorious Steve Nelson, set up a particularly potent information-leaking cell in the University of California's Radiation Laboratories. The Adams apparatus eventually reached out to touch Dr. J. Robert Oppenheimer, brilliant chief coordinator of all the scientific effort in connection with the bomb and now a principal adviser to the Atomic Energy Commission.

### Groves Absolves Oppenheimer

In his restless youth Oppenheimer had toyed with the notion of joining the Communist Party. His brother did. These facts were known to Gen. Leslie R. Groves when the over-all brass of Manhattan Engineering District selected Oppenheimer as chief scientist of the project. It was, and remains, Groves' belief that Oppenheimer was thoroughly loyal and the best man for the enormous job. Oppenheimer promptly reported to Groves that he had been contacted by the apparatus. At first he would not name the contact, but later did with the understanding that the man would not be turned over to the FBI.

Adams himself was not often seen in the company of a scientist.

Continued on Page 4

## Y-12er Wins Second In UCC Color Slide National Contest

A Y-12 amateur photographer won the first prize he ever captured in his life by taking second place in the Union Carbide and Carbon Corporation color slide contest held March 20 in New York City. He was George M. Begun, of the Materials Chemistry Division. He received a check for \$50 for his transparency showing his son, Martin, then one year old, asleep at home. The picture was made with a flash.

Begun is not a member of the Carbide Camera Club, entering the contest independently. He has been working in Y-12 for about one year.

The contest drew entries from Union Carbide units all over the country.

### AUGUSTA BOOMING

The Augusta, Ga., Weekly Review declares building of the Savannah River Plant by the Atomic Energy Commission has greatly accelerated the growth of the city, which the paper predicts will be one of the biggest and busiest in the South.



Dr. S. C. Lind

## Dr. Lind Will Receive Prized Priestly Medal

Dr. Samuel C. Lind, a consultant for all three of the Carbide and Carbon Chemicals Company plants in Oak Ridge and a frequent visitor to Y-12, will be presented the highest honor in American chemistry, the Priestly Medal. The award was announced at the general assembly of the American Chemical Society in Buffalo, N. Y., Monday, March 24, in tribute to his "outstanding services to chemistry." The actual presentation will be made at the fall meeting of the ACS in Atlantic City, N. C.

Dr. Lind is acting director of the Chemical Division of the Oak Ridge National Laboratory. He also is a director of the Oak Ridge Institute of Nuclear Studies.

### Is Native of Tennessee

Dr. Lind is a native Tennessean, having been born in McMinnville in Warren County, June 15, 1879. He received his A.B. degree from Washington and Lee University, a B.S. from the Massachusetts Institute of Technology and his Ph.D. degree from the University of Leipzig, Germany, in 1905. He also holds several honorary degrees.

He became a member of the faculty of the University of Minnesota in 1905 and eventually was named director of the university's school of chemistry and dean of its institute of technology. He advanced to emeritus professor of chemistry and emeritus dean in 1947. He also held several positions with the United States government in the chemical field and is internationally known for his research on radium and radioactivity.

### Former President of ACS

Dr. Lind is a former president of the American Chemical Society and also of the Electrochemical Society. He belongs to a large number of scientific organizations and has received many honors throughout his career.

## Amphitryon 38 Is Offering Of Playhouse This Week

The Oak Ridge Community Playhouse will present the comedy, Amphitryon 38, at the Jefferson Junior High School auditorium on Thursday, Friday and Saturday nights of this week. The play, featuring Greek mythological characters, is in three acts and was written by Jean Girardoux and translated into English by S. N. Behrman, American playwright.

Ken Forrestal will play the title role in the production. Others in the cast include Elizabeth Mott, Sam Milligan, Fred Mannesmidt, Joe Lesser, William Unger, Lyman Bryan, Pat Smith, Ruth Spreen, Joan Streckwald and Ronnie Belach.

## Y-12 To Observe Clean-Up Week April 14 To 20

Cleanliness And Safety Linked As Objectives; Cooperation Is Urged

Cleanliness and safety throughout the Y-12 area will be the theme of all divisions and departments during the April 14-20 period when the annual Spring Clean-Up Week will be observed. The dates coincide with those set for similar program in other Carbide units in Oak Ridge and in the city itself.

### Will Seek Out Hazards

Working with the idea that cleanliness and safety go hand in hand, Y-12 Fire Chief W. O. Elam and fire, safety and security coordinators throughout Y-12 will coordinate the 1952 campaign. The movement will be carried to every nook and corner in the plant with the objective of making the area spic and span in appearance and removing all potential accident and fire hazards that may have accumulated during the past winter.

A liberal use of soap and water, active wielding of brooms and other cleansing equipment applied with plenty of "elbow grease" is expected to dispose of accumulated trash and unneeded materials in the plant during Clean-Up Week. Divisional and departmental heads will vie with each other in carrying the work to shops, laboratories and offices alike.

### Cooperation Brings Success

In past years the Y-12 Spring Clean-Up Week observance has achieved gratifying results through the cooperation of every employee in taking steps to be sure that the immediate work area to which he is assigned is kept clean. The program this year will follow generally that of previous years in that inspections will be held throughout the plant before, during and after Clean-Up Week to see that the objectives are attained.

Supervision throughout Y-12 will stress to all employees that a clean department is a safe department and that good housekeeping methods in every part of the plant will improve working conditions and eliminate potential hazards. This good housekeeping extends to keeping all lockers free of oily clothing or rags, maintaining all aisles, doors and halls free for passage and particularly seeing that there is free access to all fire fighting equipment.

### NEW COMMUNITY OPENED

Representatives of the Atomic Energy Commission attended the formal opening of Crossland Park, Aiken, S. C., new community of 547 homes, according to the Augusta, Ga., Chronicle.

### SAFETY SCOREBOARD

Your Plant Has  
Operated  
27 Days

Without A Lost Time  
Accident

Through March 30



# The Bulletin

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## Camera Club To Offer Talk On Color Use

A representative of the University of Tennessee Arts Department will be the principal speaker at the meeting of the Carbide Camera Club next Tuesday night, April 8. The meeting will be held at 7:30 o'clock in the club headquarters in the Y-12 East Portal Building.

The university instructor will speak on color composition in art, a valuable subject for club members interested in color photography and slide production.

The monthly club contest will be for color slides on the subject of night photography. A number of interesting entries already are being prepared for the event.

The Carbide Camera Club is open for membership to all Company employees in the three Oak Ridge units. Membership is \$2 per year and privileges include use of the dark room at club headquarters that has considerable useful equipment for the amateur photographer.



Six Y-12 employees were listed as parents of babies born recently in the Oak Ridge Hospital. William H. White, Administrative Product, became father of a girl March 21. Robert L. Byrd, Guard, became father of a girl born March 22. William Greenstreet, ANP, became father of a boy born March 22. James E. Miner, Chemical, became father of a boy born March 23. Robert S. Morris, Plant Engineering, became father of a girl born March 23. Roy C. Caldwell, Analytical Laboratory, became father of a boy born March 26.

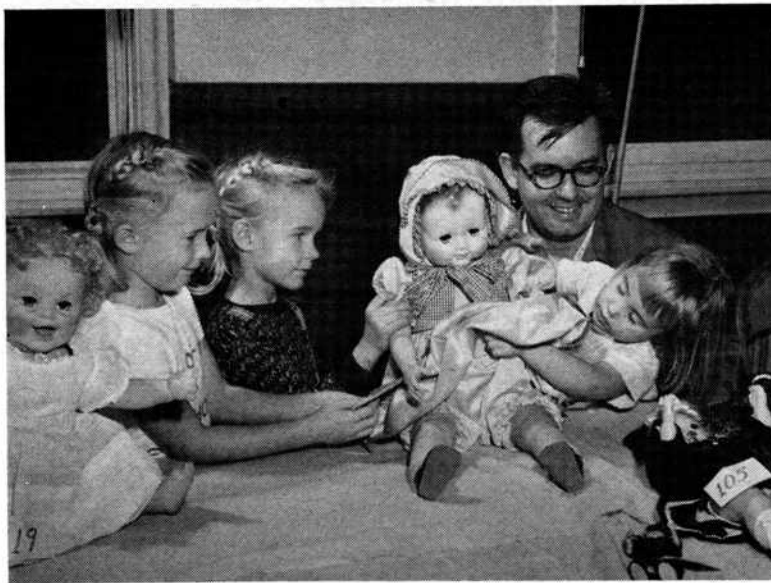
## Physics Seminar Sets Two Meetings During This Week

Two more meetings of the Oak Ridge Physics Seminar are scheduled for this week, one at 8:30 o'clock this morning, Wednesday, April 2; and the other at 3 o'clock tomorrow afternoon, Thursday, April 3. The meetings will be held in Room 107, Bldg. 3022, Oak Ridge National Laboratory, and all employees in Y-12 interested in the subjects are invited to attend.

Dr. Hans Bethe, of Cornell University and currently attached to the Atomic Energy Commission's Los Alamos National Laboratory, will speak at the Wednesday session. His topic will be "Nuclear Resonances." The Thursday speaker will be Dr. Herbert Goldstein, of Nuclear Development Associates, New York City. His subject will be "Lower Levels of Helium 5."

"What'll I do," wailed the gal, "I'm engaged to a man who says he can't bear children."

"That's the trouble with you modern women," replied the older, "you expect too much from a husband."



**SEVERAL YOUNGSTERS OF Y-12ERS WON PRIZES IN THE** recently held Sixth Annual Oak Ridge Playgroup Doll Show. At left above R. H. Ford, Administrative Normal, and his three daughters, Barbara Frances, Millie and Jackie Ann, admire Millie's push-button talking doll. At right above it can be seen that dolls are not alone for girls as R. G. Marlar and Mrs. Marlar look over the entries of their boys, Bobby and Ronnie. At right are some Y-12 prize winners. From left are Dana Estabrook, daughter of John Y. Estabrook, best dressed baby doll; Nola Agee, daughter of John A. Agee, prettiest bride doll; Jewell Ann Crocker, daughter of Albert Crocker, smallest doll; and Glenda Jo Thomas, daughter of Joe T. Thomas, most unusual doll.



Ed Cain, former Assistant Y-12 Superintendent in Charge of Industrial Relations and now with the Carbide Paducah, Ky., plant, was a welcome visitor to Y-12 last Thursday. The dapper little ex-Y-12er now is known as the "Duke of Paducah" and was aboard that AEC plane that was kept upstairs by a motorist roving around the Knoxville airport one night last week. "It takes more than that to keep me up in the air," said Ed on departing.

Yesterday was Tuesday, April The Oneth, "April Fools Day" to the pranksters. But it was no fool-in' at all for Ava (call me Jackie) Jackson, of the Training Department, who celebrated her birthday on that date.

Larry Parsons, of the Electromagnetic Division of ORNL in Y-12, and Mrs. Parsons, entertained with an "open house" last Saturday night with their son, Cpl. Jack Parsons, of the U. S. Marines, and his wife, the former Betty Ann Hughey, as guests of honor. Mrs. Jack Parsons is the daughter of John W. Hughey, former Y-12 fire chief now with Carbide at Paducah. The young Parsons are going to California in the next few days as the corporal has been transferred to Camp Pendleton where it is expected he will serve the remaining 11 months of his enlistment. A flock of Y-12ers came to visit the Parsons' home and greet the youngsters during the "open house."

Plant Engineering extends hearty congratulations to Bob Morris and to his wife, Pauline, a former Y-12er, who are the proud parents of a baby girl born March 23, at the Oak Ridge Hospital—little Catherine Ann weighed six pounds and 10 ounces at birth. The department extends get-well wishes to Frank Fuis' mother, who is a patient in the Oak Ridge Hospital.

The Plant Records Department welcomes Virginia Schneider to the roster.

The vacationers from Field Maintenance this week are R. J. Malone, C. L. Westmoreland, W. E. Humphrey, and Lonnie Ellison.

Mary Fox, of Research Services, has received word that her husband, Sgt. Earl Fox, will arrive home soon—he has been with the 23rd Infantry in Korea since last June.

Folks down in Research Engineering welcome two newcomers to their roster, Harvey E. Coppock and William I. Gallyon.

Sue Hale, of Electrical Maintenance, vacationed at home in Oak Ridge, last week. F. A. Dodd is off on a two-week vacation. W. B. Lyles is vacationing this week. A welcome is extended to C. W. Smith, the latest addition to the roster. The department extends wishes for the speedy recovery to W. R. Murphy, who is a patient in a LaFollette hospital.

Jodie Brown, of Medical, spent a recent week end in Baxter, Tenn., visiting with friends. Get-well wishes are extended to Blanche Funderberg. The department welcomes Linda Sharp and Peggy Greene to the roster.

Lieut. S. F. Sadler, of the Guard Department, is spending his two-week vacation in a very constructive way—he is in the process of building a new home in Harriman. Shirley Honeycutt is on two weeks of vacation. J. B. Quinn is also vacationing for two weeks. R. C. Morgan and J. E. Morgan are on this week's vacation list.

The Fire Department wishes a speedy recovery for Capt. E. F. Greer, who is on the mend at his home after a recent appendectomy in a Knoxville hospital. F. A. Hyatt planned to spend most of his time around home in Oak Ridge while on vacation this week.

Dora Johnson, of the Laundry, is spending a two-week vacation at her home in LaFollette. Get-well wishes are extended to Ann Kennedy, who is on the sick list.

Best wishes go to Bill Leyshon, of Isotope Research, who left last week to accept a position with the General Electric Co. in Syracuse, N. Y.

The Property Department welcomes Mildred Spoon to the roster. J. O. Lewis, of Office Services, is vacationing this week to be with his son who is home on a two-week leave from the Army.

Receiving and Shipping extends a welcome of R. H. Evans and to Stella Wheeler, who have been added to the roster.

The Personnel Division welcomes Ada Hopkins to their roster. Edna Kennedy and her husband, Ernest, of the General Maintenance Offices, are vacationing this week—they planned to visit several of Tennessee's big cities. Winnie Miller, with the Tour Club of Knoxville, made a trip to Charleston, S. C., over the week end to visit the famed azalea gardens and other interesting spots in the city.



The Tools Department extends get-well wishes to Bernice Hamrick.

C. H. Walker, of Stores, is vacationing this week at his home in Hardin Valley.

Justine Cox, of the Analytical Laboratory, journeyed down to her home in Smithville, Miss., over the week end to attend a homecoming at Mississippi State University in Starkville. Edna Tyler spent the week end in Chattanooga, Tenn. Get-well wishes are extended to Jim Charles and Bill Freels. The department welcomes Doris Green to its roster. And a welcome back to Jennie Fitch and V. C. Jackson after their recent illnesses. Juanita Moore was on last week's vacation list. Congratulations are extended to Roy Caldwell, who is the father of a seven pound 10 ounce baby boy born March 26, at the Oak Ridge Hospital. Isabelle Pack was honored by a luncheon shower given by Alice Elder on March 29, at her home in Knoxville. Collier Lockmiller and her family spent the week end in Chattanooga. Maggie Bloomer and her husband spent the week end with his mother in Gate City, Va. Betty Esco visited Joan Baker in Corbin, Ky., over the week end. Tom and Ann Barton went up to Madisonville, Ky., for the week end. The department extends get-well wishes to L. C. Peters' little daughter, who is a patient in the Oak Ridge Hospital. Congratulations to Wallace Carden on the birth of a baby daughter last week in a Knoxville hospital. Marjorie Austin spent the week end in Palmersville, Tenn.

Charles Coleman, of the Material Chemistry Division, was highly entertained at a bachelor's party given for him at Dave Crouse's apartment last Wednesday.

Thank goodness it's over—March, that is, with the lamb and the lion staging a free-for-all most of the way instead of tossing to see who would lead and trail the procession. The weather menagerie so far has been most varied—first there was the groundhog, then the lamb and lion, next comes the Easter bunny and, where's the dogwood? Who started this foolishness anyhow? See you next week.

Anyone that can swallow a pill at a drinking fountain deserves to get well.

## Folk Dance Festival To Be Held Tonight; Many Y-12ers in Cast

At least 30 Y-12ers will participate in the folk dance festival to be given at 8 o'clock tonight, Wednesday, April 2, in the Jefferson Junior High School gymnasium. The festival will be presented by the Folk Dance Club of Oak Ridge and the Beginners Folk Group, of Elm Grove School. Matthew Wisnowski, of Y-12, is director of the Folk Dance Club.

The public is invited to the festival and no admission will be charged. A total of five groups will take part in the program, one of which will be from Knoxville. There will be general dancing for everyone following the special dance presentations.

The Folk Dance Club will present the Misirbou, a Greek folk dance; the Bavarian Laendlar, a German number and Malunas, of Lithuanian background. The Elm Grove will offer a Scotch folk dance, The Road To The Isles.

All Y-12ers are invited to attend the folk dances sessions held weekly by the Folk Dance Club and the Elm Grove group. The club meets at 8:30 o'clock every Friday night in the East Lounge of Ridge Recreation Hall and the Elm Grove group at 8 o'clock on Wednesday nights at the Elm Grove School gymnasium.



The following Y-12 employees were patients last week in the Oak Ridge Hospital: Harry L. Dickinson and Raymond Ledford, Guard; Clyde C. Carter, Clarence J. Maddux and Fred Robinson, Buildings and Grounds; Betty Lou Simpson, Stores; Bert E. Burdette, Harold C. Giles, Joe D. Helton and Oliver C. McDerment, Field Maintenance; Russell F. Moyers, Electrical Maintenance; Joy J. Winslett, Administrative Normal; Anne B. Weissinger, Uranium Control; Lurla B. Funderburg, Medical; and Emma V. Spivey, Materials Chemistry.



# WOLVES, CONTROLLERS TOPS IN CARBIDE PIN TOURNAMENT

## First 1952 Y-12 Fishing Rodeo Is Set For April 21 - May 4; Entire Families Can Compete For Fine Prizes In Event

The fish around these here parts had better train up on their crash diving to avoid the various and sundry lures to be offered them soon by Y-12 fishermen, aided and abetted by members of their immediate families if they so desire. The plan to pit Y-12 families against each other in angling contests has been worked out by the Y-12 Recreation Office and termed the "1952 Y-12 Fishing Rodeo." It is patterned after a highly successful similar venture down at K-25.

Of course, there are going to be some handsome prizes presented winners in the rodeo. These prizes will be purchased from proceeds from the 50 cents per person entry fee charged to participate in the event.

Here's how the 1952 Y-12 Fishing Rodeo works. Y-12er John Jones comes to the Recreation Office, North Portal, plunks down 50 cents for each member of his immediate family he wants to enter in the rodeo—Mrs. Jones, little Johnny and/or Susie—members of the immediate family being classified as wife and children. Then the Jones family, or as many of them as are entered, grab up their fishing tackle and hit for the water holes.

Species of fish eligible for prizes in the rodeo are striped, small-mouth and largemouth bass, bream, crappie, sauger pike, walleyed pike and trout. They must be taken on rod or cane pole and in Tennessee fishing waters open to the public and, of course, in season.

Winners will be determined by weight. In case of ties in weight, length and girth in that order, shall then be taken in determining the winner. The fish must be weighed by a dockmaster, Sutton's Sporting Goods store or the Sportsmen's Supply Service store in Oak Ridge. After this is done the entry card must be turned in at the Recreation Office.

The date of the first 1952 Y-12 Fishing Rodeo will extend from 12:01 a. m., Friday, April 21, to midnight, Sunday, May 4, giving all Y-12ers ample opportunity to participate in the event.

Entry blanks and a sheet of rules and regulations will be available at the Recreation Office this week. Come and get it.

A plant rodeo committee to judge the entries will consist of Elmer Green, A. F. Kendig and Evan Means.

## Y-12ers Have Best Scratch Scores; Meet Ends Sunday

Two Y-12 teams led in scratch scoring in the opening sessions of the All-Carbide Bowling Tournament that opened Saturday and Sunday at the Oak Terrace alleys. The Wolves of the men's B League led the masculine keggers with a score of 2675 and the Controllers of the Women's League, was on top with 2086.

The tournament will be concluded this week end with singles and doubles competition and six more teams rolling. The Grocers, of Y-12, are the only outfit from this plant yet to bowl.

Y-12 will have 34 men's doubles groups and nine women's pairs in these events. K-25 is represented by 74 and seven groups, respectively, and Oak Ridge National Laboratory 18 and four. There will be 63 Y-12 men and women seeking individual honors in singles with K-25 having 135 and 14 and ORNL 30 and eight.

The Wolves finished third in handicap scores in the team contest for men with a score of 3032. They trailed the K-25 Wire Twisters with 3142 and the ORNL Short Hairs with 3094. The rest of the first 10 teams in handicap scoring were the Hurricanes, Y-12, 2973; Eight Balls, K-25, 2966; Beetle Bums, K-25, 2962; Cellar Dwellers, ORNL, 2961; Pin Setters, ORNL, 2949; Rippers, Y-12, 2949; and Bums, 2947.

Trailing the Wolves in scratch scoring were the Short Hairs, 2656; Wire Twisters, 2629; Pick-Ups, K-25, 2949; and Hurricanes, 2547.

The Alley Oomphs, of ORNL, led the women's handicap scoring in team play, followed by the Y-12 Make Ups with 2764 and the Y-12 Mix Ups with 2761. The Alley Oomphs were second in scratch scoring with 2079 and the ORNL Automatics third with 2064.

The tournament was run off smoothly without a hitch and the only oddity reported was a triple posted by H. Williams, of ORNL, who had successive games of 109.

## Hurricanes and Hart Monopolize Honors In C Bowling Loop

For the second straight week all winning teams in the C League scored whitewash wins over their alley opponents when the plant keggers unleashed their bowling arms last week. The wins were recorded by the Hurricanes over the Hooks, Hornets over the Guards, Thin Pins over the Short Circuits and Moles over the Orphans. The Hornets took over second place by virtue of their triumph.

In scoring it was Len Hart and his teammates on the Hurricanes all the way. Hart posted 239, 248, 652 and 679 across the board and the team tallied 872, 1022, 2512 and 2962. Hart's series scores were tops for the second half as was the team's handicap marker.

League standing follows:

Team	W	L
Hurricanes	41	11
Hornets	32	20
Guards	31	21
Orphans	25	27
Hooks	25	27
Thin Pins	22	30
Moles	20	32
Short Circuits	12	40

## Riflemen Of Y-12 Lose To Labsters

The Y-12 rifle team was defeated by the Oak Ridge National Laboratory sharpshooters March 20 by the handicap score of 966.268 to 960.601. Individual scores of Y-12ers were W. R. Rathkamp 188—194.495; J. D. Rose 162—192.666; O. K. Sergeant 152—192.320; J. R. Helton 144—191.040; and J. M. Case 138—190.080.

## Varsity Softball Drill Opens Tuesday; Plant Loops Start

The softball business is booming in Y-12 and candidates for the varsity teams of men and women and at least a dozen plant teams soon will be getting in their drills to work out the winter kinks in their anatomies.

The first practice sessions for the men and women varsity squads will be held at the Middletown grounds next Tuesday night, April 8. The feminine contingent will begin work at 6 o'clock and the men at 7:30 o'clock. All Y-12ers wanting to try out for the teams are urged to report at these sessions. Prospects for good teams are bright, but no berths have been clinched and some merry scraps for positions is expected.

Indications point to organization of possibly two plant leagues as 11 teams were represented at the first organizational meeting held last Friday. Play will begin May 5 and practice schedules are being worked out by the Recreation Office to begin next week. A final organizational meeting will be held at 3 o'clock Friday afternoon, April 25, at the Recreation Office, North Portal, when officers and a protest board will be elected and final details for the season worked out.

## Both Y-12 Varsity Pin Teams Blanked

Both Y-12 varsity bowling teams took it on the chin in their most recent alley encounters after several weeks of sparkling play. Just to be consistent, both were subjected to whitewash defeats, the men being trimmed by the K-25 keggers and the women by Norris Creamery.

In the men's encounter the victors rolled 890, 875, 834—2599 to 850, 862, 819—2531 for Y-12. Len Hart's 593 series, composed of games of 210, 196 and 187, was tops for the Y-12ers. Then came Jack Spears 203, 185, 154—542; Frank Gragg 169, 176, 175—520; Ernie Cobble 143, 145, 168—456; and Elmore Koons 125, 160, 135—420.

The keglerettes came within two pins of winning their first game but then faded. The Norris tallies were 694, 759, 771—2224; to 692, 637, 745—2074. The Y-12 scores were closely bunched with Margaret O'Neal leading with 154, 170, 120—444. Following were Betty Whitehorn 140, 124, 151—412; Juanita Kirwan 148, 105, 149—402; and Katie Williams 113, 114, 173—400.

## LYING FOR JOB COSTLY

The Associated Press has reported that Claude G. Graef, Boyerton, Pa., was sentenced to 18 months in jail and fined \$100 after pleading guilty to making false statements to get work at the Atomic Energy Commission Savannah River Plant.

## Y-12 SPORTS NEWS

### Golf League Entry Deadline Set April 7; Captains Called For Final Meet Thursday

Y-12 golfers took a big stride forward toward getting another successful season underway at an enthusiastic session in the Recreation Office last Thursday when it was decided to open the Y-12 Golf League during the week beginning Monday, April 14. A final organizational meeting has been set for noon tomorrow, Thursday, April 3, in the main cafeteria, when every team is urged to have a representative present. The meeting will be held in the private dining room.

The deadline for entry of a team in the league will be noon next Monday, April 7, when the teams must have announced their intention of competing and selecting a name. There were 10 teams in the 1951 league and at least that many are expected to enter the 1952 loop.

The season will be divided into two halves with the winners of each meeting for the seasonal championship. Trophies will be awarded the winning team and runners-up.

All Carbide employees in the Y-12 plant area are eligible to play in the Y-12 league. Each team will be composed of four players and two substitutes and all matches will be for four men, with no team permitted to play with less than three golfers present.

All golfers with averages of 86 or less will be classified as "A" golfers and only two of these players will be allowed to play in any single match.

### Cracker Jax Blank Hi Balls; W Loop Lead Held By Woes

The Cracker Jax crunched the Hi Balls for a three-game whitewash triumph in the W League of plant keglerettes last week for the biggest margin of victory in the circuit. The Woes continued their march toward the second half of the season title by whipping the Mix Ups, the Strikettes kept pace by trimming the Make Ups and the Kemps controlled the Controllers, each of these wins being by two out of three games.

Mavis Koons, of the Kemps, had the best single game scores of the night with a 184 scratch, boosted to 227 with handicap. Juanita Kirwan, of the Controllers, came through with the top series tallies of 487 and 610 respectively. The Controllers did the best scoring in scratch game with 748, handicap game of 969 and scratch series of 2080. The Strikettes' 2827 handicap series also was best of the night.

Team

Team	W	L
Woes	23	10
Controllers	20	13
Strikettes	19	14
Kemps	17	16
Cracker Jax	15	18
Mix Ups	14	19
Make Ups	14	19
Hi Balls	10	23

### Dick Garland Home On Leave; Coached Base Basketballers

Pfc. Richard "Dick" Garland, former Y-12 and Oak Ridge High School basketball performer, now in Uncle Sam's Air Force, was an Oak Ridge visitor last week on leave from his unit. He was accompanied home by his buddy, Cpl. Walter Hunt, from the Catskill Mountain country of New York state. They drove down from the New Castle County Airport Base near Wilmington, Del., where both are stationed as members of the Maintenance Flight, 82 Air Base Squadron and were making the trip on a three-day pass.

Richard Garland is the son of Jack Garland, of the Y-12 Manufacturing Office Division, and Mrs. Garland.

As was the case in high school and here at Y-12, young Garland is taking great interest in athletics since joining the service. He was coach of his flight basketball team and scored 14 points as his team scored a 54 to 42 victory in winning the intra-squadron championship at the base. The basketball teams of the base have played several school and minor college teams in Delaware during the past season.

### Women's City Pin Meet Will See Y-12 Teams In Action

Y-12 women bowlers are getting ready for the annual Oak Ridge Women's Bowling Association tournament to be held April 25, 26 and 27 at the Oak Terrace alleys. The plant varsity team and some of the plant league teams are expected to enter the event with individuals competing in singles and doubles.

Entry blanks may be obtained at the Y-12 Recreation Office, North Portal, telephone 7753. The deadline for entering the tournament is Friday, April 11, and an entry fee of \$2.50 per bowler per event must accompany the entry blanks.

### Bumpers And Wasps Blank Alley Foes; Potter Scores Well

The Bumpers increased their lead in the B League of plant bowlers last Thursday night by blanking the One-91 keggers for four points and the Wasps advanced to undisputed possession of third place by scoring a similar win over the Bldg. 9211 outfit. Other matches saw the Rippers beating the All Stars, Tigers trimming the Comets, Bums bumping the Cubs and Wolves walloping the Rebels, each victory being by three points.

Potter, of the Tigers, ran away with the individual scoring honors. He bagged a 233 scratch game, boosted to 254 with handicap. He coupled games of 230 and 190 with his top scratch game to report a 653 scratch series, tops for the second round of play. His 716 handicap series also was high for the round. The Bumpers and Rippers tied for the best scratch team game of 865 but the league leaders went on to post a 2530 scratch series and 2941 handicap series for tops. The Tigers checked in with a 1025 handicap game.

League standing follows:

Team	W	L
Bumpers	23	5
Rippers	19	9
Wasps	18	10
Tigers	17	11
Bums	16	12
Cubs	15	13
Wolves	14	14
All Stars	12	16
Rebels	12	16
Comets	11	17
One-91	6	22
Bldg. 9211	5	22

### Vectors Share Top Spot In D League; Isotopes Win Again

The Vectors crawled up to a tie with the Old Men for the top spot in the D League standings last week when they vanquished the Grocers, first half of the season winners, by three points as the ancient ones were taking a trimming from the Toppers by the same margin. The resurgent Isotopes continued their struggle to get out of the cellar by blanking the Hoboes for four points and the Activators trimmed the Woodchucks for three.

The Isotopes' victory largely was made possible by the scores posted by Adams, who tallied 202, 246, 570 and 702 across the board. The 702 handicap series was high for the second half of play. The Isotopes grabbed off team series scoring honors with a 2336 scratch and 2954 handicap. The Activators' 850 scratch and 1029 handicap games were tops.

League standing follows:

Team	W	L
Old Men	28	20
Vectors	28	20
Toppers	27	21
Grocers	26	22
Activators	26	22
Hoboes	24	24
Woodchucks	21	27
Isotopes	12	36



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## Soviets Learn Of American Atomic Bomb In 1942—Swing Into Action For Secrets

Continued from Page 1

One exception to that rule, however, was Prof. Clarence Hiskey, who was assigned to atomic work in the fall of 1942 by Prof. Harold Urey, winner of the Nobel Prize for Chemistry in 1934 for his isolation of heavy hydrogen.

The great majority of scientists and technicians who worked in the A-Bomb effort were, of course, scrupulously honest and loyal men. Professor Urey was one of these. He left the job of checking on Hiskey to the security forces involved. Hiskey's troubles dated from later in his employment.

**Chemist Got Cold Feet**

When MED security officers arranged for Hiskey to be put in the army the scientist met with Adams in Chicago, then went to Cleveland to talk to John Hitchcock Chapin, a young chemical engineer employed in important metallurgical work at the University of Chicago's atomic effort. He asked Chapin to meet with Adams, Chapin later testified, and so that Chapin would recognize Adams he (Chapin) gave Hiskey a hotel key to give to the Russian spy. In time the men did meet and the spy passed the key back to Chapin, who got cold feet and clammed up.

Hiskey, now a member of the faculty of Brooklyn Poly, was given an opportunity to explain his role in the atomic conspiracy—at a later hearing by the house committee—but refused to answer pertinent questions "on the grounds that it may tend to degrade and incriminate me."

**Adams Flees To Russia**

The FBI kept close tabs on Adams. One search of his room revealed information about Oak Ridge, but Adams gave the FBI the slip in February, 1945, five months before the test of the first A-Bomb. The man crossed the country, approached to within a few feet of the gangplank of a Russian ship at Portland, Ore., realized that he would be seized if he attempted to board, turned, sped back to New York (closely followed) and then disappeared. Somehow, he got back to Russia.

He must be credited as a mastermind in the great robbery. By the time he vanished his apparatus was working perfectly. It had Dr. Klaus Fuchs and Sgt. David Greenglass inside super-secret Los Alamos, where the bomb was nearing completion. It had Julius Rosenberg and his wife working in New York. It had Harry Gold, a wistful-looking little Philadelphia chemist, running priceless information from Fuchs and Greenglass to Soviet spies in New York.

**Russia Still Held Ally**

Adams had also in his favor a widespread reluctance on the part of many Americans in government and science to regard Russia as anything but a courageous ally. The Soviet Purchasing Commission was able openly to buy 1,300 pounds of uranium oxide and uranium nitrate in this country in 1944. The following year we gave Russia 25 pounds of low-grade uranium metal and a quantity of "heavy water," which is used (or can be) in the construction of atomic reactors.

In the meantime, while Adams or his superiors pieced together

threads of information picked up at Berkeley, Chicago, New York and Cleveland, Russia was gaining a picture of the A-Bomb effort which could have been only of great assistance to its team of nuclear physicists.

In all probability most of the information that was stolen left the United States in diplomatic pouches. The traffic in this information was steady and constructive, and it must have appeared to the Kremlin that it would never end.

**Devoted Red Snaps Chain**

But a link in the strong chain snapped, and the link was not a spy or an unwitting accomplice. He was a bona fide Russian, a devoted Communist and Red Army officer. His brush with the free air of liberty did strange things to him, and his defection from Communism did much to frustrate the fantastic intrigue.

(Next week: "Klark" turns square, to the consternation of the Russian Embassy at Ottawa.)

## Power Squadron To Offer Free Course In Piloting

A free course in piloting will be offered to Y-12ers interested in the subject by the Oak Ridge Power Squadron, beginning tomorrow night, Thursday, April 3, it has been announced by G. J. Angele, of Y-12 Engineering Department, commander of the squadron. The class will be held in Room A-225, Oak Ridge High School, and is open to members of the squadron and the public. Several Y-12ers are members of the squadron and many have taken the courses in piloting and other nautical subjects offered by the squadron.

**HARWELL HEAD VISITS U. S.**

Sir John Crockcroft, director of Great Britain's atomic research plant at Harwell, England, is visiting atomic installations in the United States, according to the Associated Press.



**MORE EVIDENCE OF THE ROLES PLAYED BY Y-12 AND OTHER CARBIDE MEN IN OAK Ridge civic affairs is this picture of a group of scoutmasters of the city that includes personnel from all three of the Company units here. Front row from left are C. F. Harrison, Y-12; J. C. Worthington, K-25; George Wilson, ORNL; J. P. Lane, ORNL; and J. J. Horton, ORNL. In rear are R. J. Dunbar, Atomic Energy Commission; James Winters, K-25; W. W. Ogg, ORNL; J. P. Gill, ORNL; R. A. Lorenz, Y-12; C. W. Craven, K-25; and E. W. Hobson, ORNL. Scoutmasters absent when picture was made were F. A. Hedman, Y-12 Joe Kennedy, Y-12; C. W. Hatton, K-25; and William Harris, K-25.**

## Tuesday Is Deadline To Order NNES Books

Y-12ers desiring to purchase any one or all of the 10 volumes of the National Nuclear Energy Series books at a greatly reduced price from the regular retail figures are reminded that next Tuesday, April 8, is the deadline to place orders. The orders should be placed with Joe R. Patton, of the Technical Reports Office, at the Y-12 Library Bldg. 9704-2. The orders must be accompanied by payment and checks are preferable, to be made payable to T. A. Williams, Y-12 Cashier.

The NNES books are published and edited by the McGraw-Hill Book Co. The titles of the volumes and the prices, including sales tax, at which they are available to Y-12 personnel follow:

Division I, Vol. 5—Characteristics of Electrical Discharge in Magnetic Fields, Gurthie and Wackerling, \$1.43.

Division II, Vol. 16—Engineering Development in the Gaseous Diffusion Process, Benedict and Williams, 82 cents.

Division III, Vol. 2—Spectroscopic Properties and Uranium Compounds, Dieke and Duncan, \$1.17.

Division III, Vol. 4C—Bibliography of Research on Heavy Hydrogen Compounds, Kimball, \$1.43.

Division IV, Vol. 14B—Trans-uranium Elements, Seaborg, Katz and Manning, \$4.95.

Division IV, Vol. 19B—Chemical and Metallurgy Miscellaneous Materials; Thermodynamics, Quill, \$1.28.

Division IV, Vol. 221—Histopathology of Irradiation, Bloom, \$3.37.

Division IV, Vol. 23—Toxicology of Uranium, Tannembaum, \$1.53.

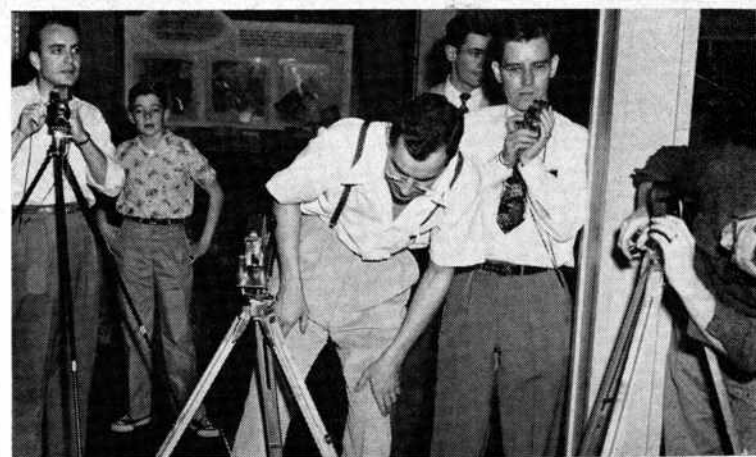
Division VI, Vol. 1—Pharmacology and Toxicology of Uranium Compounds, Voegtlin, \$3.72.

Biological Studies With Polonium, Radium and Plutonium, Fink, \$1.68.

## Hurst Issues Call For Y-12 Netters

A call for men tennis players in Y-12 to represent the plant in outside competition and also to stage a plant ladder contest has been issued by Fred Hurst, a mainstay of the plant netters in past years. He particularly urges new employees interested in the game to communicate with him, plant telephone 7239, or the Recreation Office, North Portal, telephone 7753. Prospects are believed right for a good team and lots of fun and exercise for the gut racquet lads this season.

**Remember—Only you can  
PREVENT FOREST FIRES!**



**A NUMBER OF Y-12ERS ARE ACTIVE MEMBERS OF THE Oak Ridge Amateur Cinema Club, with some of them shown above. From left are cameramen Joe Preslar, of Y-12; Louis Owen, General Electric; Paul Blakely, of Y-12, and Jim Puckett, of General Electric.**

## Rides Wanted And Offered

**Ride Wanted**—From Copper Ridge, Knoxville-Clinton Highway, rotating shift, Group No. 9. Elwood Cox, plant telephone 7901, home telephone Powell 9802.

**Ride Wanted**—From Dutch Valley Road, Fountain City, rotating shift. Condon Williams, plant telephone 7204, home telephone 6-1314.

**Ride Wanted**—From East Knoxville, straight day. H. J. Nelson, plant telephone 7102.

**Two Rides Wanted**—From Bearden, straight day. Nancy Baxter, plant telephone 7938, home telephone 8-3606.

**Ride Wanted**—From five miles out Chapman Highway from Knoxville, straight day. C. L. Majors, plant telephone 7764, home telephone 3-7218.

**Ride Wanted**—From Cedar Lane, Fountain City, straight day. Christine Pope, plant telephone 7212, home telephone 6-1309.

**Ride Wanted**—From Fountain City, straight day. Betty B. Hill, plant telephone 7474, home telephone 6-4968.

**Ride Wanted**—From Knoxville-Clinton Highway, vicinity of Knox Motel, straight day. Ruth Whittle, plant telephone 7472, home telephone Knoxville 4-2961, Ext. 35 W1.

## Cobalt 'Biscuits' Seen Boon To Cancer Sufferers

The Washington Times-Herald recently stated that Canadian scientists at the Chalk River atomic research station in Canada are using an atomic oven to bake a small batch of "biscuits" that mean new and longer life to the world's cancer sufferers. A half dozen gray-colored discs of Cobalt 60 are expected to be completed this year. It is believed that each disc will provide greater radioactivity than the world's entire existing supply of radium.

## Cinema Club Invites Y-12ers To Meeting Of Group April 17

Y-12ers interested in amateur movie making are invited to attend the next meeting of the Oak Ridge Amateur Cinema Club to be held at 8 o'clock Thursday night, April 17. The meeting will be held at the American Museum of Atomic Energy and visitors are welcomed at all meetings.

A feature of the next meeting will be the showing of movies made by members at the last gathering of the organization on March 20, when several movie makers snapped shots of Dr. Anton Brasmass, research metallurgist at the Oak Ridge National Laboratory, performing tricks of magic. He is an outstanding amateur magician and performed five feats of legerdemain for the club members. Some of the movie makers took slow motion pictures in an effort to learn some of the "tricks of the trade" of the magician.

## Attendance Record

MAJOR LEAGUE More Than 50 Employees Scheduled				
Dept.	Absent Percentage	3-23-52	Standing	3-16-52
2060	0.2	1	2	
2619	1.3	2	1	
2617	1.5	3	7	
2077	1.6	4	3	
2001	1.7	5	6	
2739	1.9	6	9	
2008	2.3	7	11	
2773	2.65	8	5	
2018	2.73	9	15	
2091	3.27	10	4	
2003	3.32	11	8	
2014	3.6	12	10	
2618	3.7	13	14	
2015	3.8	14	12	
2790	3.9	15	13	
2142	4.7	16	16	

Group absentee percentage was 2.9 per cent, .4 per cent lower than the preceding week.

MINOR LEAGUE 15-49 Employees Scheduled				
Dept.	Absent Percentage	3-23-52	Standing	3-16-52
2743	0.0	1	1	
2200	0.0	1	1	
2144	0.0	1	2	
2143	0.0	1	3	
2145	0.51	2	4	
2005	0.54	3	5	
2109	0.9	4	6	
2133	2.1	5	7	
2096	2.2	6	8	
2107	2.6	7	9	
2108	3.5	8	10	
2002	4.0	9	12	
2616	4.8	10	11	
2064	6.0	11	10	
2093	7.0	12	14	
2090	7.4	13	13	

Group absentee percentage was 2.6 per cent, .1 per cent lower than the preceding week.

The plant average for the week ending March 23 was 2.8 per cent, .4 per cent lower than the preceding week.

## Y-12er Is Coach Of Church Champs

Y-12 employees and their sons contributed greatly to the success of the Lynwood Baptist Church junior boys' basketball team in the recently concluded season, the Lynwood team capturing top honors in its league. Coach of the team is E. B. Kimbro and several players are sons of Y-12ers. Kimbro is with the Y-12 Electrical Maintenance Department.

Y-12 Photo By Vince Moore